

# 309 U.S. Customs Manifest (Post Departure)

Functional Group ID=**SO**

## Introduction:

This Standard contains the format and establishes the data contents of the U.S. Customs Manifest Transaction Set (309) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by carriers, terminal operators, port authorities, or service centers to provide U.S. Customs with manifest data on cargo arriving in or departing from the U.S. on oceangoing vessels, railroad trains, or other types of conveyances. The transaction set can be also used by carriers to provide terminal operators, port authorities, or service centers with manifest data on cargo arriving at their facilities via the conveyances mentioned above.

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
M	001	ISA	Interchange Control Header	M	1		
M	002	GS	Functional Group Header	M	1		
M	010	ST	Transaction Set Header	M	1		
M	020	M10	Manifest Identifying Information	M	1		
LOOP ID - P4							20
M	040	P4	U.S. Port Information	M	1		
LOOP ID - LX							9999
M	060	LX	Assigned Number	M	1		
	070	M13	Manifest Amendment Details	O	1		
Must Use	080	M11	Manifest Bill of Lading Details	O	1		
	085	N9	Reference Identification	O	999		
LOOP ID - N1							5
M	100	N1	Name	M	1		
	110	N3	Address Information	O	2		
	120	N4	Geographic Location	O	1		
Not Used	123	DTM	Date/Time Reference	O	1		
	125	PER	Administrative Communications Contact	O	1		
LOOP ID - M12							1
Not Used	130	M12	In-bond Identifying Information	O	1		
Not Used	135	P5	Port Information	O	5		
LOOP ID - VID							999
Must Use	150	VID	Conveyance Identification	O	1		
	155	VC	Motor Vehicle Control	O	21		
LOOP ID - N10							999
Must Use	160	N10	Quantity and Description	O	1		
LOOP ID - H1							10
	165	H1	Hazardous Material	O	1		
	166	H2	Additional Hazardous Material Description	O	99		
M	200	SE	Transaction Set Trailer	M	1		
M	210	GE	Functional Group Trailer	M	1		
M	220	IEA	Interchange Control Trailer	M	1		

**Segment:** **ISA** Interchange Control Header  
**Position:** 001  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To start and identify an interchange of zero or more functional groups and interchange-related control segments

Data Element Summary				
	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ISA01	I01	<b>Authorization Information Qualifier</b> Code to identify the type of information in the Authorization Information 00 No Authorization Information Present (No Meaningful Information in I02)	M ID 2/2
M	ISA02	I02	<b>Authorization Information</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01) Provide spaces.	M AN 10/10
M	ISA03	I03	<b>Security Information Qualifier</b> Code to identify the type of information in the Security Information 01 Password	M ID 2/2
M	ISA04	I04	<b>Security Information</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) PASSWORD  A code representing the password agreed upon between Customs and the participant.  Equivalent Proprietary Element: ACR - Password.	M AN 10/10
M	ISA05	I05	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified 02 SCAC (Standard Carrier Alpha Code)	M ID 2/2
M	ISA06	I06	<b>Interchange Sender ID</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element USER CODE  The SCAC code representing the transmitter ID as a carrier or service center.  Equivalent Proprietary Element: ACR - User Code, ZCR - User Code.	M AN 15/15
M	ISA07	I05	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified U.S. Customs. ZZ Mutually Defined	M ID 2/2
M	ISA08	I07	<b>Interchange Receiver ID</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them	M AN 15/15

			Provide "USCSAES" for receiver's ID.	
M	ISA09	I08	<b>Interchange Date</b> Date of the interchange TRANSMISSION DATE  A date in YYMMDD(year, month, day) format representing the date of processing.  Equivalent Proprietary Element: ACR - Date.	M DT 6/6
M	ISA10	I09	<b>Interchange Time</b> Time of the interchange TRANSMISSION TIME  Provide transmission time.  Equivalent Proprietary Element: ACR - Time.	M TM 4/4
	ISA11	I10	<b>Interchange Control Standards Identifier</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer	O ID 1/1
M	ISA12	I11	<b>Interchange Control Version Number</b> This version number covers the interchange control segments Provide the version control number.	M ID 5/5
M	ISA13	I12	<b>Interchange Control Number</b> A control number assigned by the interchange sender BATCH NUMBER  A Customs generated code used in conjunction with the date of transmission to uniquely identify a user transmission.  Equivalent Proprietary Element: ACR - Batch Number.	M N0 9/9
X	ISA14	I13	<b>Acknowledgment Requested</b> Code sent by the sender to request an interchange acknowledgment (TA1)	O ID 1/1
X	ISA15	I14	<b>Usage Indicator</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information	O ID 1/1
M	ISA16	I15	<b>Component Element Separator</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M AN 1/1

**Segment:** **GS** Functional Group Header  
**Position:** 002  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of a functional group and to provide control information

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	GS01	479	<b>Functional Identifier Code</b>	M ID 2/2
			Code identifying a group of application related transaction sets	
			SH Ship Notice/Manifest (856)	
M	GS02	142	<b>Application Sender's Code</b>	M AN 2/15
			Code identifying party sending transmission; codes agreed to by trading partners	
			Provide SCAC code identifying party sending transmission.	
M	GS03	124	<b>Application Receiver's Code</b>	M AN 2/15
			Code identifying party receiving transmission; codes agreed to by trading partners	
			Provide "USCSAES".	
M	GS04	373	<b>Date</b>	M DT 8/8
			Date expressed as CCYYMMDD	
			Provide date "YYYYMMDD" of transmission.	
M	GS05	337	<b>Time</b>	M TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
			Provide time of transmission.	
M	GS06	28	<b>Group Control Number</b>	M N0 1/9
			Assigned number originated and maintained by the sender	
			Provide group number for batch default "000000001" .	
M	GS07	455	<b>Responsible Agency Code</b>	M ID 1/2
			Code used in conjunction with Data Element 480 to identify the issuer of the standard	
			X Accredited Standards Committee X12	
M	GS08	480	<b>Version / Release / Industry Identifier Code</b>	M AN 1/12
			Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed	
			004010	

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

**Segment:** **M10** Manifest Identifying Information  
**Position:** 020  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit manifest identifying information

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	M1001	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code CARRIER CODE A code representing the importing/exporting carrier. This is the Standard Carrier Alpha Code (SCAC) issued by the National Motor Freight Traffic Association Inc., 2200 Mill Road, Alexandria, VA 22310. For water carriers who own their containers, the SCAC is issued by the Intermodal Transportation Association, 6410 Kenilworth Ave., Suite 108, Riverdale, MD 20737.	M ID 2/4
M	M1002	91	Equivalent Proprietary Element: M01 - Carrier Code. <b>Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment MODE OF TRANSPORTATION CODE A code indicating the type of vessel used to carry the manifested cargo. Required for input to Customs. Equivalent Proprietary Element: M01 - Mode of Transportation Code. VE Vessel, Ocean	M ID 1/2
M	M1003	26	<b>Country Code</b> Code identifying the country COUNTRY CODE An International Standards Organization (ISO) code representing the flag of the vessel. Required for input to Customs. Equivalent Proprietary Element: M01 - Vessel Country Code.	M ID 2/3
	M1004	597	<b>Vessel Code</b> Code identifying vessel CONVEYANCE CODE The Lloyds of London registry code representing the exporting conveyance. This code is Mandatory if Vessel Name is not entered. Equivalent Proprietary Element: M01 - Conveyance Code.	X ID 1/8
	M1005	182	<b>Vessel Name</b> Name of ship as documented in "Lloyd's Register of Ships" VESSEL NAME A valid vessel name. Mandatory if missing Vessel Code. Equivalent Proprietary Element: M01 - Vessel Name.	X AN 2/28
M	M1006	55	<b>Flight/Voyage Number</b> Identifying designator for the particular flight or voyage on which the cargo	M AN 2/10

			travels
			VOYAGE NUMBER
			The voyage number. Required for input to Customs. If not known, send Julian date.
			Equivalent Proprietary Element: M01 - Voyage Number.
	<b>M1007</b>	<b>127</b>	<b>Reference Identification</b> <b>O AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
			SEQUENCE NUMBER
			Optional, carrier assigned sequence number. The default is one (1). It may be a date. Once transmitted, it cannot be changed. All subsequent transmissions for the manifest must use the original manifest sequence number.
			Equivalent Proprietary Element: M01 - Manifest Sequence Number.
<b>M</b>	<b>M1008</b>	<b>380</b>	<b>Quantity</b> <b>M R 1/15</b>
			Numeric value of quantity
			TOTAL NUMBER OF BILLS OF LADING
			Provide number of bills of lading/bookings in the manifest.
			Equivalent Proprietary Element: M01- Number of Bookings or Bills of Lading.
<b>M</b>	<b>M1009</b>	<b>256</b>	<b>Manifest Type Code</b> <b>M ID 1/1</b>
			Code identifying the type of manifest transmitted
			APPLICATION IDENTIFIER
			Application Identifier.
			Equivalent Proprietary Element: ACR - Application Identifier.
			D Updating Export Manifest Prior to Vessel Departure From Carrier to U.S. Customs
			E Original Export Manifest from Carrier to U.S. Customs
			P Preliminary Manifest from Carrier to U.S. Customs
<b>X</b>	<b>M1010</b>	<b>897</b>	<b>Vessel Code Qualifier</b> <b>X ID 1/1</b>
			Code specifying vessel code source
			L Lloyd's Register of Shipping
<b>X</b>	<b>M1011</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b> <b>O ID 1/1</b>
			Code indicating a Yes or No condition or response
			N No
			Y Yes
<b>X</b>	<b>M1012</b>	<b>127</b>	<b>Reference Identification</b> <b>O AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**Segment:** **P4** U.S. Port Information  
**Position:** 040  
**Loop:** P4 Mandatory  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit identifying information for a U.S. port

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	P401	310	Location Identifier Code which identifies a specific location PORT OF LADING CODE A code representing the U.S. Customs District/Port of lading. For listing of valid codes, use AESTIR Part III, Appendix D. Equivalent Proprietary Element: P01 - U.S. Customs Port of Lading Code.	M AN 1/30
M	P402	373	Date Date expressed as CCYYMMDD ESTIMATED DATE OF DEPARTURE A date in the YYYYMMDD format representing the scheduled date of departure from (for exports) or arrival at (for imports) this port. Equivalent Proprietary Element: P01 - Estimated Date of Departure.	M DT 8/8
>>	P403	380	Quantity Numeric value of quantity NUMBER OF BILLS OF LADING FOR PORT A value representing the total number of bookings or bills of lading/house bills transmitted for this Port. Equivalent Proprietary Element: P01 - Number of Bookings or Bills of lading for Port.	O R 1/15
X	P404	310	Location Identifier Code which identifies a specific location	O AN 1/30
X	P405	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O TM 4/8



**Segment:** **LX** Assigned Number  
**Position:** 060  
**Loop:** LX Mandatory  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To reference a line number in a transaction set

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LX01	554 Assigned Number	M N0 1/6
		Number assigned for differentiation within a transaction set	
		LOOP CONTROL NUMBER	
		Provide sender controlled number for the loop.	

**Segment:** **M13** **Manifest Amendment Details**  
**Position:** 070  
**Loop:** LX Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To correct a manifest record prior to conveyance arrival or to amend a manifest record after conveyance arrival

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	M1301	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code CARRIER CODE A code representing the issuing carrier. This is the Standard Carrier Alpha Code (SCAC) issued by the National Motor Freight Traffic Association Inc., 2200 Mill Road, Alexandria, VA 22310. For water carriers who own their containers, the SCAC is issued by the Intermodal Transportation Association, 6410 Kenilworth Ave., Suite 108, Riverdale, MD 20737. Equivalent Proprietary Element: A01 - Carrier Code.	M ID 2/4
X	M1302	310	<b>Location Identifier</b> Code which identifies a specific location	C AN 1/30
>>	M1303	580	<b>Amendment Type Code</b> Code identifying type of manifest amendment ACTION CODE A code representing the type of manifest amendment. Valid Codes are: A = Add a Bill of Lading; D = Delete a Bill of Lading Equivalent Proprietary Element: A01 - Action Code. A Add a Bill of Lading D Delete a Bill of Lading	O ID 1/1
	M1304	598	<b>Bill of Lading/Waybill Number</b> Identification number assigned to the shipment by the carrier or consolidator BILL OF LADING SEQUENCE NUMBER A code representing the bill of lading sequence number. Equivalent Proprietary Element: A01 - Bill of Lading Number.	C AN 1/12
X	M1305	380	<b>Quantity</b> Numeric value of quantity	O R 1/15
X	M1306	393	<b>Amendment Code</b> Code giving the reasons for the amendment of the manifest record	O ID 2/2
X	M1307	306	<b>Action Code</b> Code indicating type of action 1 Add 2 Change (Update) 3 Delete	O ID 1/2
	M1308	598	<b>Bill of Lading/Waybill Number</b> Identification number assigned to the shipment by the carrier or consolidator	X AN 1/12

			<b>QUALIFIER</b>  Provide Booking/Bill Qualifier:  MB = Master Booking Number  Future Use:  HB = House Booking Number B = House Bill of Lading Number SH = XTN (Commodity Control Number)  Equivalent Proprietary Element: A01 - Qualifier.	
	<b>M1309</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	<b>O ID 2/4</b>
			<b>PORT CODE</b>  A code representing the U.S. Customs District/Port of lading/unlading. Use Customs Schedule D.  Equivalent Proprietary Element: A01 - U.S. Customs Port.	
<b>X</b>	<b>M1310</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	<b>X ID 2/4</b>

**Segment:** **M11** **Manifest Bill of Lading Details**  
**Position:** 080  
**Loop:** LX Mandatory  
**Level:**  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To transmit bill of lading detail information for a manifest

Data Element Summary			
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u> <u>Attributes</u>
>>	M1101	598	<b>Bill of Lading/Waybill Number</b> Identification number assigned to the shipment by the carrier or consolidator <b>CONTROL NUMBER</b> A code representing the issuer-assigned sequence number that identifies the shipment. The sequence number must be unique for the issuer (not to be repeated within three years). Equivalent Proprietary Element: B01 - Bill of Lading Control Number.
>>	M1102	310	<b>Location Identifier</b> Code which identifies a specific location <b>FOREIGN PORT</b> A code representing the foreign port in which imported cargo was laden or in which exported cargo is to be unladen. For listing of valid codes, use AESTIR Part III, Appendix H. Equivalent Proprietary Element: B01 - Foreign Port.
>>	M1103	380	<b>Quantity</b> Numeric value of quantity <b>QUANTITY</b> A value representing the total number of pieces on the bill of lading (e.g., if there are 10 ctn and 10 bal on one bill of lading, insert the number 20 in this field). Use the smallest exterior package unit. Piece count units are given in the N10 record. The total number of N10 piece counts for the bill must equal the Manifest Quantity. The value must be greater than zero. Equivalent Proprietary Element: B01 - Manifest Quantity.
>>	M1104	599	<b>Manifest Unit Code</b> Code defining the smallest package unit for the bill of lading <b>QUANTITY - UNIT OF MEASURE CODE</b> A code representing the manifest unit of measure, such as CTN. If the unit is more than three characters, truncate the excess. Equivalent Proprietary Element: B01 - Manifest Units.
>>	M1105	81	<b>Weight</b> Numeric value of weight <b>WEIGHT</b> A value representing the gross weight in pounds or kilos. Input only whole numbers; no decimals or fractions. The value must be greater than zero. Equivalent Proprietary Element: B01 - Weight.
>>	M1106	188	<b>Weight Unit Code</b> C ID 1/1

			Code specifying the weight unit		
			<b>WEIGHT - UNIT OF MEASURE CODE</b>		
			A code representing the unit of measure for the Weight value in the previous field.		
			Equivalent Proprietary Element: B01 - Weight Unit.		
			K	Kilograms	
			L	Pounds	
X	M1107	183	<b>Volume</b>	X	R 1/8
			Value of volumetric measure		
X	M1108	184	<b>Volume Unit Qualifier</b>	X	ID 1/1
			Code identifying the volume unit		
X	M1109	582	<b>Bill of Lading Type Code</b>	O	ID 2/2
			Code identifying the type of bill of lading		
			00	Neither Space Charter nor Master In-bond	
X	M1110	600	<b>Place of Receipt by Pre-carrier</b>	O	AN 1/17
			The city or country in which the pre-carrier took possession of the cargo		
X	M1111	598	<b>Bill of Lading/Waybill Number</b>	X	AN 1/12
			Identification number assigned to the shipment by the carrier or consolidator		
M	M1112	140	<b>Standard Carrier Alpha Code</b>	M	ID 2/4
			Standard Carrier Alpha Code		
			<b>ISSUER CODE</b>		
			A SCAC code of the issuer of the bill(s) of lading.		
			Equivalent Proprietary Element: J01 - Carrier Master Booking/Bill of Lading Issuer Code.		
X	M1113	140	<b>Standard Carrier Alpha Code</b>	X	ID 2/4
			Standard Carrier Alpha Code		
X	M1114	140	<b>Standard Carrier Alpha Code</b>	X	ID 2/4
			Standard Carrier Alpha Code		
X	M1115	140	<b>Standard Carrier Alpha Code</b>	X	ID 2/4
			Standard Carrier Alpha Code		
	M1116	1302	<b>Shipper's Export Declaration Requirements</b>	O	AN 1/2
			Code identifying which Shipper's Export Declaration (SED) requirements are being met		
			<b>SED FLAG</b>		
			Y or N code to indicate that a paper SED was received by the carrier prior to the vessel departure.		
			Equivalent Proprietary Element: B01 - SED Flag.		
	M1117	1578	<b>Export Exception Code</b>	O	ID 2/2
			Code specifying why a Shipper's Export Declaration (SED) is not required		
			<b>EXPORT INFORMATION CODE</b>		
			Code indicating why shipment does not require export transaction data. For listing of valid codes, use AESTIR Part III, Appendix E.		
			Equivalent Proprietary Element: B01 - Export Information Code.		
X	M1118	140	<b>Standard Carrier Alpha Code</b>	O	ID 2/4
			Standard Carrier Alpha Code		
X	M1119	140	<b>Standard Carrier Alpha Code</b>	O	ID 2/4
			Standard Carrier Alpha Code		

**Segment:** **N9** **Reference Identification**  
**Position:** 085  
**Loop:** LX Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 999  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification QUALIFIER Control number qualifier. Equivalent Proprietary Element: B02 - Qualifier. BN Booking Number	M ID 2/3
M	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier CONTROL NUMBER The number representing the issuer-assigned control number that identifies the booking or house bill. The control number must be unique by vessel voyage. Equivalent Proprietary Element: B02 - Control Number.	M AN 1/30
X	N903	369	<b>Free-form Description</b> Free-form descriptive text	X AN 1/45
X	N904	373	<b>Date</b> Date expressed as CCYYMMDD	O DT 8/8
X	N905	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
X	N906	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2
X	N907	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
X	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	O ID 2/3
X	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O AN 1/30
X	C04003	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	X ID 2/3
X	C04004	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
X	C04005	128	<b>Reference Identification Qualifier</b>	X ID 2/3

<b>X</b>	<b>C04006</b>	<b>127</b>	Code qualifying the Reference Identification	<b>X</b>	<b>AN 1/30</b>
			<b>Reference Identification</b>		
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

**Segment:** **N1** Name  
**Position:** 100  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code

Data Element Summary				
	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual PARTY TYPE A code identifying the type of party in the Booking or Bill. Equivalent Proprietary Element: N01 - Party Type. CN Consignee IC Intermediate Consignee SH Shipper UC Ultimate Consignee ZZ Mutually Defined Carrier Customer	M ID 2/3
	N102	93	<b>Name</b> Free-form name PARTY NAME Company Name, required if Party is being established for the first time or no Party ID is on file in AES. For Consignees without a Party ID, this field is mandatory. Equivalent Proprietary Element: N01 - Party Name.	X AN 1/60
	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) PARTY ID TYPE Type of ID (e.g. DUNS, SSN). Equivalent Proprietary Element: N01 - Party ID Type. 1 D-U-N-S Number, Dun & Bradstreet 34 Social Security Number EI Employee Identification Number ZC Contractor Establishment Code Other	X ID 1/2
	N104	67	<b>Identification Code</b> Code identifying a party or other code PARTY ID NUMBER Provide the DUNS, SSN, EIN, or Other Carrier Unique Identifier. Equivalent Proprietary Element: N01 - Party ID Number.	X AN 2/80
X	N105	706	<b>Entity Relationship Code</b>	O ID 2/2



<b>X</b>	<b>N106</b>	<b>98</b>	<p>Code describing entity relationship</p> <p><b>Entity Identifier Code</b></p> <p>Code identifying an organizational entity, a physical location, property or an individual</p>	<b>O ID 2/3</b>
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**Segment:** **N3** Address Information  
**Position:** 110  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Notes:** Send only one N3 record for an N1 record.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
<b>N301</b>	<b>166</b>	<b>Address Information</b>	<b>C AN 1/55</b>
		Address information	
		MAILING ADDRESS, LINE 1	
		Mailing Address Line 1, required if Party is being established for the first time or if no Party ID is on file in AES. This applies to all parties.	
		Equivalent Proprietary Element: N02 - Address, Line 1.	
<b>N302</b>	<b>166</b>	<b>Address Information</b>	<b>O AN 1/55</b>
		Address information	
		MAILING ADDRESS, LINE 2	
		Additional Address Line 2.	
		Equivalent Proprietary Element: N02 - Address, Line 2.	

**Segment:** **N4** **Geographic Location**  
**Position:** 120  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party

Data Element Summary				
Ref.	Data	Name	Attributes	
<u>Des.</u>	<u>Element</u>			
N401	19	City Name	O	AN 2/30
		Free-form text for city name		
		CITY		
		Mailing City, required if party is being established for the first time or no party ID is on file in AES. This applies to all parties.		
		Equivalent Proprietary Element: N03 - City.		
N402	156	State or Province Code	O	ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency		
		STATE		
		U.S. State code abbreviation, or foreign state name. Required if party is being established for the first time or no party ID is on file in AES. This applies to shippers and carrier customers. Must be a valid U.S. state code.		
		Equivalent Proprietary Element: N03 - State.		
N403	116	Postal Code	O	ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
		POSTAL CODE		
		Zip Code, required if party is being established for the first time or no party ID on file in AES. This applies to shippers and carrier customers only.		
		Equivalent Proprietary Element: N03 - Postal Code.		
N404	26	Country Code	O	ID 2/3
		Code identifying the country		
		COUNTRY CODE		
		ISO Country code, required if party is being established for the first time or no party ID is on file in AES. Shipper and carriers customer must be US. Must be a valid ISO code.		
		Equivalent Proprietary Element: N03 - Country.		
X	N405	309 Location Qualifier	X	ID 1/2
		Code identifying type of location		
X	N406	310 Location Identifier	O	AN 1/30
		Code which identifies a specific location		

**Segment:** **PER** **Administrative Communications Contact**  
**Position:** 125  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a person or office to whom administrative communications should be directed

Data Element Summary				
Ref.	Data	Name	Attributes	
<u>Des.</u>	<u>Element</u>			
PER01	366	<b>Contact Function Code</b>	C	ID 2/2
		Code identifying the major duty or responsibility of the person or group named		
		CONTACT CODE		
		Enter "CN" to identify Party's contact information as "General Contact."		
		CN General Contact		
PER02	93	<b>Name</b>	C	AN 1/60
		Free-form name		
		CONTACT PARTY		
		Contact Party's Name or Title, required if Party is being established for the first time or no Party ID is on file in AES. Required for exporter and forwarder only. Provide contact first name (positions 1 - 13), SPACE (position 14), and last name (positions 15 - 34).		
		Equivalent Proprietary Elements: N01 - Contact First Name; N01 - Contact last Name.		
PER03	365	<b>Communication Number Qualifier</b>	C	ID 2/2
		Code identifying the type of communication number		
		COMMUNICATONS QUALIFIER		
		Enter "TE" for Party's contact phone number.		
		TE Telephone		
PER04	364	<b>Communication Number</b>	C	AN 1/80
		Complete communications number including country or area code when applicable		
		CONTACT TELEPHONE NUMBER		
		Contact Party's Phone, required if Party is being established for the first time or if no Party ID is on file in AES. For 1-800 numbers provide 11 numbers without spaces or dashes. For other numbers, provide 10 numbers without spaces or dashes and left justify.		
		Equivalent Proprietary Element: N02 - Contact Phone.		
X	PER05	365 <b>Communication Number Qualifier</b>	X	ID 2/2
		Code identifying the type of communication number		
X	PER06	364 <b>Communication Number</b>	X	AN 1/80
		Complete communications number including country or area code when applicable		
X	PER07	365 <b>Communication Number Qualifier</b>	X	ID 2/2
		Code identifying the type of communication number		
X	PER08	364 <b>Communication Number</b>	X	AN 1/80
		Complete communications number including country or area code when applicable		
X	PER09	443 <b>Contact Inquiry Reference</b>	O	AN 1/20

Additional reference number or description to clarify a contact number

**Segment:** **VID** **Conveyance Identification**  
**Position:** 150  
**Loop:** VID Optional (Must Use)  
**Level:**  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a conveyance and its attributes

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
X	VID01	40	<b>Equipment Description Code</b> Code identifying type of equipment used for shipment	C ID 2/2
>>	VID02	206	<b>Equipment Initial</b> Prefix or alphabetic part of an equipment unit's identifying number CONTAINER SCAC SCAC of container. Indicate NC here for non-containerized freight. Equivalent Proprietary Element: C01 - Container SCAC.	O AN 1/4
	VID03	207	<b>Equipment Number</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) CONTAINER NUMBER A valid container number. This number must be the same as that physically appearing on the container. Do not include the SCAC. Equivalent Proprietary Element: C01 - Container No.	C AN 1/10
	VID04	225	<b>Seal Number</b> Unique number on seal used to close a shipment SEAL NUMBER 1 A valid exporter/carrier seal number associated with the container. Equivalent Proprietary Element: C01 - Seal Number 1.	O AN 2/15
	VID05	225	<b>Seal Number</b> Unique number on seal used to close a shipment SEAL NUMBER 2 A valid exporter/carrier seal number associated with the container. Equivalent Proprietary Element: C01 - Seal Number 2.	O AN 2/15
	VID06	567	<b>Equipment Length</b> Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11) CONTAINER/EQUIPMENT LENGTH Length (in feet and inches) of the container. Equivalent Proprietary Element: C01 - Container/Equipment Length.	O N0 4/5
X	VID07	65	<b>Height</b> Vertical dimension of an object measured when the object is in the upright position	O R 1/8
X	VID08	189	<b>Width</b> Shorter measurement of the two horizontal dimensions measured with the	O R 1/8

	<b>VID09</b>	<b>24</b>	object in the upright position <b>Equipment Type</b> Code identifying equipment type CONTAINER/EQUIPMENT TYPE CODE Code identifying the equipment type. See AESTIR Appendix P for a list of codes. Equivalent Proprietary Element: C01 - Container/Equipment Type.	<b>O ID 4/4</b>
<b>X</b>	<b>VID10</b>	<b>322</b>	<b>Load/Empty Status Code</b> Code which specifies the loaded condition of transportation equipment	<b>O ID 1/1</b>
<b>&gt;&gt;</b>	<b>VID11</b>	<b>56</b>	<b>Type of Service Code</b> Code specifying extent of transportation service requested TYPE OF SERVICE CODE Code specifying extent of transportation service requested. See AESTIR Part III, Appendix G for a list of valid Type Of Service codes. Equivalent Proprietary Element: C01 - Type of Service.	<b>O ID 2/2</b>
<b>X</b>	<b>VID12</b>	<b>310</b>	<b>Location Identifier</b> Code which identifies a specific location	<b>O AN 1/30</b>
<b>X</b>	<b>VID13</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	<b>O ID 2/4</b>

**Segment:** VC **Motor Vehicle Control**  
**Position:** 155  
**Loop:** VID Optional (Must Use)  
**Level:**  
**Usage:** Optional  
**Max Use:** 21  
**Purpose:** To define motor vehicle identification and logistics  
**Notes:** Provide VIN numbers for vehicles being shipped.

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	VC01	539	<b>Vehicle Identification Number</b> Unique identification number stamped on the vehicle by the manufacturer VIN The unique vehicle identification number stamped on a vehicle by the manufacturer. Equivalent Proprietary Element: C02 - VIN.	M AN 1/25
X	VC02	836	<b>Vehicle Deck Position Code</b> Code to identify the specific position of a vehicle on multi-level equipment; when dealing with rail cars the front end will be defined as that end of the rail car which the vehicle faces	O ID 2/2
X	VC03	837	<b>Vehicle Type Code</b> Vehicle Type Code for freight rate and claims purposes	O ID 1/1
X	VC04	838	<b>Dealer Code</b> A code assigned by a manufacturer to identify their dealers	O AN 2/9
X	VC05	1	<b>Route Code</b> Mutually defined route code	O AN 1/13
X	VC06	839	<b>Bay Location</b> Location where the releasing agent placed the motor vehicle	O AN 1/6
X	VC07	833	<b>Automotive Manufacturers Code</b> Code (ARR) used to identify vehicle manufacturer	O ID 2/2
X	VC08	308	<b>Damage Exception Indicator</b> Code to indicate whether damage is being reported to a vehicle in this transaction set	O ID 1/1
X	VC09	835	<b>Supplemental Inspection Code</b> A code to indicate a supplemental inspection	O ID 1/1
X	VC10	583	<b>Factory Car Order Number</b> This number to be supplied by the shipper for Canadian customer requirements at border points for all finished motor vehicles exported to the United States from Canada	O AN 6/10
X	VC11	877	<b>Vessel Stowage Location</b> Location of cargo stowed on board an ocean vessel	O AN 1/12



**Segment:** **N10** **Quantity and Description**  
**Position:** 160  
**Loop:** N10 Optional (Must Use)  
**Level:**  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To indicate line item quantity, description, marks and numbers, commodity code, weight, and customs value

Data Element Summary				
Ref.	Data	Name	Attributes	
<u>Des.</u>	<u>Element</u>			
N1001	380	<b>Quantity</b>	<b>C</b>	<b>R 1/15</b>
		Numeric value of quantity		
		PIECE COUNT		
		A value representing the total number of pieces in the container being described. Required for the first record. This is the number of the smallest exterior package units. A carton, box, bag or crate are examples of smallest exterior packaging; a pallet and container are not.		
		Equivalent Proprietary Element: D01 - Piece Count.		
N1002	369	<b>Free-form Description</b>	<b>O</b>	<b>AN 1/45</b>
		Free-form descriptive text		
		CARGO DESCRIPTION		
		A description of the cargo. Must provide at least one description line. Multiple description lines may be used for one container record.		
		Equivalent Proprietary Element: D01 - Description.		
N1003	87	<b>Marks and Numbers</b>	<b>O</b>	<b>AN 1/48</b>
		Marks and numbers used to identify a shipment or parts of a shipment		
		MARKS AND NUMBERS		
		The written description of the symbols and markings that are on the outside of the packaging.		
		Equivalent Proprietary Element: D02 - Marks and Numbers.		
X	N1004	23 <b>Commodity Code Qualifier</b>	<b>X</b>	<b>ID 1/1</b>
		Code identifying the commodity coding system used for Commodity Code		
	N1005	22 <b>Commodity Code</b>	<b>O</b>	<b>AN 1/30</b>
		Code describing a commodity or group of commodities		
		LINE IDENTIFIER		
		Line identifier for each line of description.		
		Equivalent Proprietary Element: D01 - Line Number.		
X	N1006	602 <b>Customs Shipment Value</b>	<b>X</b>	<b>AN 2/8</b>
		Customs value in whole dollars		
X	N1007	188 <b>Weight Unit Code</b>	<b>X</b>	<b>ID 1/1</b>
		Code specifying the weight unit		
X	N1008	81 <b>Weight</b>	<b>X</b>	<b>R 1/10</b>
		Numeric value of weight		
X	N1009	127 <b>Reference Identification</b>	<b>O</b>	<b>AN 1/30</b>
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

<b>X</b>	<b>N1010</b>	<b>599</b>	<b>Manifest Unit Code</b> Code defining the smallest package unit for the bill of lading	<b>O</b>	<b>ID 1/3</b>
	<b>N1011</b>	<b>26</b>	<b>Country Code</b> Code identifying the country	<b>O</b>	<b>ID 2/3</b>
			Enter 'XX' to indicate the last description line.		
	<b>N1012</b>	<b>26</b>	<b>Country Code</b> Code identifying the country	<b>O</b>	<b>ID 2/3</b>
			Enter 'XX' to indicate the last Marks and Numbers line.		
<b>X</b>	<b>N1013</b>	<b>100</b>	<b>Currency Code</b> Code (Standard ISO) for country in whose currency the charges are specified	<b>X</b>	<b>ID 3/3</b>

**Segment:** **H1** **Hazardous Material**  
**Position:** 165  
**Loop:** H1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify information relative to hazardous material

Data Element Summary			
Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	H101	<b>62 Hazardous Material Code</b>	<b>M AN 4/10</b>
		Code relating to hazardous material code qualifier for regulated hazardous materials	
		HAZMAT CODE	
		The Standard Transportation Commodity Code (STCC- published by the Association of American Railroads) assigned to the hazardous material.	
		Equivalent Proprietary Element: V01 - Hazardous Material Code.	
	H102	<b>209 Hazardous Material Class Code</b>	<b>O AN 1/4</b>
		Code specifying the kind of hazard for a material	
		HAZMAT CLASS	
		A code representing the hazardous class or division designated for the material in the IMDG code .49 CFR172.	
		Equivalent Proprietary Element: V01 - Hazardous Material Class.	
	H103	<b>208 Hazardous Material Code Qualifier</b>	<b>O ID 1/1</b>
		Code which qualifies the Hazardous Material Class Code (209)	
		HAZMAT QUALIFIER	
		Always "I".	
		Equivalent Proprietary Element: V01 - Hazardous Material Code Qualifier.	
	H104	<b>64 Hazardous Material Description</b>	<b>O AN 2/30</b>
		Material name, special instructions, and phone number if any	
		HAZMAT DESCRIPTION	
		The proper shipping name of the material designated as hazardous.	
		Equivalent Proprietary Element: V01 - Hazardous Material Description.	
	H105	<b>63 Hazardous Material Contact</b>	<b>O AN 1/24</b>
		Phone number and name of person or department to contact in case of emergency	
		HAZMAT CONTACT	
		The name and/or phone number of the person or department to contact in case of an emergency.	
		Equivalent Proprietary Element: V01 - Hazardous Material Contact.	
	H106	<b>200 Hazardous Materials Page</b>	<b>O AN 1/6</b>
		The United Nations page number as required for the international transport of hazardous materials	
		PAGE NUMBER	
		The page number in the IMDG code in which the hazardous material	

		identification appears.
<b>H107</b>	<b>77</b>	<p>Equivalent Proprietary Element: V01 - UN Hazardous Material Page.</p> <p><b>Flashpoint Temperature</b> <b>X</b> <b>N 1/3</b></p> <p>The flashpoint temperature for hazardous material</p> <p>FLASHPOINT TEMPERATURE</p> <p>The lowest temperature at which the vapor of a hazardous combustible liquid will ignite in the air.</p>
<b>H108</b>	<b>355</b>	<p>Equivalent Proprietary Element: V02 - Flashpoint Temperature.</p> <p><b>Unit or Basis for Measurement Code</b> <b>X</b> <b>ID 2/2</b></p> <p>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>FLASHPOINT TEMPERATURE - UNIT OF MEASURE</p> <p>A code representing the basic unit of measurement (UOM) for the flashpoint temperature. Always: CE = Degrees Centigrade/Celsius</p>
<b>H109</b>	<b>254</b>	<p>Equivalent Proprietary Element: V02 - Unit of Measure Code.</p> <p><b>Packing Group Code</b> <b>O</b> <b>ID 1/3</b></p> <p>Code indicating degree of danger in terms of Roman number I, II or III</p> <p>NEGATIVE INDICATOR</p> <p>Negative Indicator, enter "N" when flashpoint temperature is negative.</p> <p>Equivalent Proprietary Element: V02 - Negative Indicator.</p>

**Segment:** **H2** Additional Hazardous Material Description  
**Position:** 166  
**Loop:** H1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 99  
**Purpose:** To specify free-form hazardous material descriptive data in addition to the information provided in the H1 segment

Data Element Summary			
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>
M	H201	64	<b>Hazardous Material Description</b> Material name, special instructions, and phone number if any HAZMAT DESCRIPTION Material name, special instructions and/or phone number.
	H202	274	Equivalent Proprietary Element: V03 - Hazardous Material Description. <b>Hazardous Material Classification</b> Free-form description of hazardous material classification or division or label requirements HAZMAT CLASSIFICATION Free form description of hazardous material classification or division or label requirements. Equivalent Proprietary Element: V03 - Hazardous Material Classification.

**Segment:** **SE** Transaction Set Trailer  
**Position:** 200  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

**Segment:** **GE** Functional Group Trailer  
**Position:** 210  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of a functional group and to provide control information

Data Element Summary				
	<b>Ref.</b>	<b>Data</b>		
	<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	<b><u>Attributes</u></b>
<b>M</b>	<b>GE01</b>	<b>97</b>	<b>Number of Transaction Sets Included</b>	<b>M N0 1/6</b>
			Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	
<b>M</b>	<b>GE02</b>	<b>28</b>	<b>Group Control Number</b>	<b>M N0 1/9</b>
			Assigned number originated and maintained by the sender	

**Segment:** **IEA** Interchange Control Trailer  
**Position:** 220  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To define the end of an interchange of zero or more functional groups and interchange-related control segments

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	IEA01	I16	Number of Included Functional Groups A count of the number of functional groups included in an interchange	M N0 1/5
M	IEA02	I12	Interchange Control Number A control number assigned by the interchange sender	M N0 9/9